

International application No.
PCT/JP03/07621

	SIFICATION OF SUBJECT MATTER .C1 ⁷ C22C38/00, C21D9/46		
According	to International Patent Classification (IPC) or to both na	ational classification and IPC	
B. FIELI	OS SEARCHED		
Minimum (Int	documentation searched (classification system followed .Cl ⁷ C22C38/00~38/60, C21D8/02-	by classification symbols) -8/04, 9/46-9/48	
Jits Koka	ation searched other than minimum documentation to the Suyo Shinan Koho 1922-1996 Li Jitsuyo Shinan Koho 1971-2003	Toroku Jitsuyo Shinan Koho Jitsuyo Shinan Toroku Koho	0 1994-2003 0 1996-2003
Electronic	data base consulted during the international search (nam	ne of data base and, where practicable, sear	rch terms used)
C. DOCU	JMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
A	JP 9-256065 A (Nippon Steel 30 September, 1997 (30.09.97) Claims (Family: none)		. 1–12
A	JP 9-235621 A (Kawasaki Stee 09 September, 1997 (09.09.97) Claims (Family: none)		1-12
	JP 7-233449 A (Sumitomo Meta 05 September, 1995 (05.09.95) Claims (Family: none)		1-12
× Furth	er documents are listed in the continuation of Box C.	See patent family annex.	
"A" docum consid "E" earlier date "L" docum cited to special docum means "P" docum than to	considered to be of particular relevance earlier document but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "The document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art		
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
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	ion). DOCUMENTS CONSIDERED TO BE RELEVANT	
ategory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5685923 A (NIPPON STEEL CORP.), 11 November, 1997 (11.11.97), Claims & JP 8-176750 A & CN 113596 A	
	& KR 165152 B	